

**Notice of Allowability**

Application No.

09/919,539

Applicant(s)

QUINN ET AL.

Examiner

Art Unit

Mathieu D. Vargot

1732

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the filing of the application.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☒ The drawings filed on 31 July 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 9/28/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 3/17/04
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

Mathieu D. Vargot  
Primary Examiner  
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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

In the specification, page 1, line 32, the comma has been deleted and --wherein-- inserted therefor

In the claims

Claim 1, lines 6 and 7 have been deleted in their entirety; line 8, "(c)" has been changed to --(b)--; lines 9-11 have been deleted in their entirety and the following has been inserted therefor:

-- (c) raising the boom and placing the connecting member in tension for pulling the horizontally movable platform towards the bladder to a centered position and swiveling said boom to a position wherein the boom-connecting end of the connecting member is positioned substantially directly over the bladder connecting end in a centered position; and

(d) continuing to raise the boom to lift the bladder in a centered position and remove the bladder from the tire vulcanizer in a vertical direction without any sidewise movement. ---

Claim 3, line 3, "and", second-to-last occurrence, has been deleted;

Claim 4, line 3, "frames" has been changed to --frame--

Claim 6, line 1, "an" has been changed to --a centered--; line 11, after "member", --in-- has been inserted; line 12, "central" has been changed to --centered--

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Lacher on March 17, 2004.

3. The following is an examiner's statement of reasons for allowance: The instant claims are considered to be allowable over the prior art of record in that such art does not disclose, teach or suggest the overall aspects of a method and apparatus for removing a tire-forming bladder from a tire vulcanizer by employing the instant boom which is swivel connected to a movable platform, the boom having a bladder connecting member, and connecting the bladder thereto to place the connecting member in tension while allowing the platform to move towards the bladder and the boom to swivel to a centered operating position so the bladder can be removed vertically without any sidewise movement.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Stellato et al discloses a swiveling automobile engine puller crane (see 18 in Figure 1). Ichikawa (see Figure 6) shows a forklift mounted boom for removing a bladder. Ureshino and Ureshino et al are cited as of interest is showing the state of the art in changing dies and bladders in tire vulcanizers.

M. Vargot

March 17, 2004

*M. Vargot*  
MATHIEU D. VARGOT  
PRIMARY EXAMINER  
GROUP 1300

3/17/04